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H. R. 766

[Report No. 108-]

To provide for a National Nanotechnology Research and Development Program, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 13, 2003

Mr. BOEHLERT (for himself, Mr. HONDA, Mr. EHLERS, Mr. HALL, Mr. SMITH of Michigan, Mr. GORDON, Mrs. BIGGERT, Ms. EDDIE BERNICE JOHNSON of Texas, Mr. BARTLETT of Maryland, Ms. LOFGREN, Mr. GUTKNECHT, and Mr. BISHOP of New York) introduced the following bill; which was referred to the Committee on Science

MAY , 2003

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union and ordered to be printed

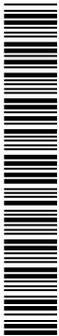
[Strike out all after the enacting clause and insert the part printed in italics]

[For text of introduced bill, see copy of bill as introduced on February 13, 2003]

A BILL

To provide for a National Nanotechnology Research and Development Program, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*



1 **SECTION 1. SHORT TITLE.**

2 *This Act may be cited as the “Nanotechnology Re-*
3 *search and Development Act of 2003”.*

4 **SEC. 2. DEFINITIONS.**

5 *In this Act—*

6 (1) *the term “advanced technology user facility”*
7 *means a nanotechnology research and development fa-*
8 *cility supported, in whole or in part, by Federal*
9 *funds that is open to all United States researchers on*
10 *a competitive, merit-reviewed basis;*

11 (2) *the term “Advisory Committee” means the*
12 *advisory committee established or designated under*
13 *section 5;*

14 (3) *the term “Director” means the Director of the*
15 *Office of Science and Technology Policy;*

16 (4) *the term “Interagency Committee” means the*
17 *interagency committee established under section 3(c);*

18 (5) *the term “nanotechnology” means science*
19 *and engineering aimed at creating materials, devices,*
20 *and systems at the atomic and molecular level;*

21 (6) *the term “Program” means the National*
22 *Nanotechnology Research and Development Program*
23 *described in section 3; and*

24 (7) *the term “program component area” means*
25 *a major subject area established under section 3(c)(2)*



1 *under which is grouped related individual projects*
2 *and activities carried out under the Program.*

3 **SEC. 3. NATIONAL NANOTECHNOLOGY RESEARCH AND DE-**
4 **VELOPMENT PROGRAM.**

5 *(a) IN GENERAL.—The President shall implement a*
6 *National Nanotechnology Research and Development Pro-*
7 *gram to promote Federal nanotechnology research, develop-*
8 *ment, demonstration, education, technology transfer, and*
9 *commercial application activities as necessary to ensure*
10 *continued United States leadership in nanotechnology re-*
11 *search and development and to ensure effective coordination*
12 *of nanotechnology research and development across Federal*
13 *agencies.*

14 *(b) PROGRAM ACTIVITIES.—The activities of the Pro-*
15 *gram shall be designed to—*

16 *(1) provide sustained support for nanotechnology*
17 *research and development through—*

18 *(A) grants to individual investigators and*
19 *interdisciplinary teams of investigators;*

20 *(B) establishment of advanced technology*
21 *user facilities; and*

22 *(C) establishment of interdisciplinary re-*
23 *search centers, which shall—*



1 (i) *network with each other to foster*
2 *the exchange of technical information and*
3 *best practices;*

4 (ii) *involve academic institutions or*
5 *national laboratories and other partners,*
6 *which may include States and industry;*

7 (iii) *make use of existing expertise in*
8 *nanotechnology in their regions and nation-*
9 *ally;*

10 (iv) *make use of ongoing research and*
11 *development at the micrometer scale to sup-*
12 *port their work in nanotechnology; and*

13 (v) *be capable of accelerating the com-*
14 *mercial application of nanotechnology inno-*
15 *vations in the private sector;*

16 (2) *ensure that solicitation and evaluation of*
17 *proposals under the Program encourage interdiscipli-*
18 *nary research;*

19 (3) *expand education and training of under-*
20 *graduate and graduate students in interdisciplinary*
21 *nanotechnology science and engineering;*

22 (4) *accelerate the commercial application of*
23 *nanotechnology innovations in the private sector;*

24 (5) *ensure that societal and ethical concerns, in-*
25 *cluding environmental concerns and the potential im-*



1 *plications of human performance enhancement and*
2 *the possible development of nonhuman intelligence,*
3 *will be addressed as the technology is developed by—*

4 *(A) establishing a research program to iden-*
5 *tify societal and ethical concerns related to*
6 *nanotechnology, and ensuring that the results of*
7 *such research are widely disseminated;*

8 *(B) insofar as possible, integrating research*
9 *on societal and ethical concerns with*
10 *nanotechnology research and development, and*
11 *ensuring that advances in nanotechnology bring*
12 *about improvements in quality of life for all*
13 *Americans; and*

14 *(C) requiring that interdisciplinary re-*
15 *search centers under paragraph (1)(C) include*
16 *activities that address societal and ethical con-*
17 *cerns; and*

18 *(6) include to the maximum extent practicable*
19 *diverse institutions, including Historically Black Col-*
20 *leges and Universities and those serving large propor-*
21 *tions of Hispanics, Native Americans, Asian-Pacific*
22 *Americans, or other underrepresented populations.*

23 *(c) INTERAGENCY COMMITTEE.—The President shall*
24 *establish or designate an interagency committee on*
25 *nanotechnology research and development, which shall in-*



1 *clude representatives from the Office of Science and Tech-*
2 *nology Policy, the National Science Foundation, the De-*
3 *partment of Energy, the National Aeronautics and Space*
4 *Administration, the National Institute of Standards and*
5 *Technology, the Environmental Protection Agency, and any*
6 *other agency that the President may designate. The Director*
7 *shall select a chairperson from among the members of the*
8 *Interagency Committee. The Interagency Committee, which*
9 *shall also include a representative from the Office of Man-*
10 *agement and Budget, shall oversee the planning, manage-*
11 *ment, and coordination of the Program. The Interagency*
12 *Committee shall—*

13 (1) *establish goals and priorities for the Pro-*
14 *gram;*

15 (2) *establish program component areas, with spe-*
16 *cific priorities and technical goals, that reflect the*
17 *goals and priorities established for the Program;*

18 (3) *develop, within 6 months after the date of en-*
19 *actment of this Act, and update annually, a strategic*
20 *plan to meet the goals and priorities established*
21 *under paragraph (1) and to guide the activities of the*
22 *program component areas established under para-*
23 *graph (2);*

24 (4) *propose a coordinated interagency budget for*
25 *the Program that will ensure the maintenance of a*



1 *balanced nanotechnology research portfolio and ensure*
2 *that each agency and each program component area*
3 *is allocated the level of funding required to meet the*
4 *goals and priorities established for the Program;*

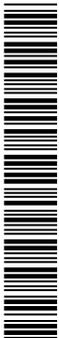
5 *(5) develop a plan to utilize Federal programs,*
6 *such as the Small Business Innovation Research Pro-*
7 *gram and the Small Business Technology Transfer*
8 *Research Program, in support of the goal stated in*
9 *subsection (b)(4); and*

10 *(6) in carrying out its responsibilities under*
11 *paragraphs (1) through (5), take into consideration*
12 *the recommendations of the Advisory Committee and*
13 *the views of academic, State, industry, and other ap-*
14 *propriate groups conducting research on and using*
15 *nanotechnology.*

16 **SEC. 4. ANNUAL REPORT.**

17 *The chairperson of the Interagency Committee shall*
18 *prepare an annual report, to be submitted to the Committee*
19 *on Science of the House of Representatives and the Com-*
20 *mittee on Commerce, Science, and Transportation of the*
21 *Senate at the time of the President's budget request to Con-*
22 *gress, that includes—*

23 *(1) the Program budget, for the current fiscal*
24 *year, for each agency that participates in the Pro-*
25 *gram, including a breakout of spending for the devel-*



1 *opment and acquisition of research facilities and in-*
2 *strumentation, for each program component area, and*
3 *for all activities pursuant to section 3(b)(5);*

4 (2) *the proposed Program budget, for the next*
5 *fiscal year, for each agency that participates in the*
6 *Program, including a breakout of spending for the de-*
7 *velopment and acquisition of research facilities and*
8 *instrumentation, for each program component area,*
9 *and for all activities pursuant to section 3(b)(5);*

10 (3) *an analysis of the progress made toward*
11 *achieving the goals and priorities established for the*
12 *Program;*

13 (4) *an analysis of the extent to which the Pro-*
14 *gram has incorporated the recommendations of the*
15 *Advisory Committee; and*

16 (5) *an assessment of how Federal agencies are*
17 *implementing the plan described in section 3(c)(5),*
18 *and a description of the amount of Small Business*
19 *Innovative Research and Small Business Technology*
20 *Transfer Research funds supporting the plan.*

21 **SEC. 5. ADVISORY COMMITTEE.**

22 (a) *IN GENERAL.*—*The President shall establish or des-*
23 *ignate an advisory committee on nanotechnology consisting*
24 *of non-Federal members, including representatives of re-*
25 *search and academic institutions and industry, who are*



1 *qualified to provide advice and information on*
2 *nanotechnology research, development, demonstration, edu-*
3 *cation, technology transfer, commercial application, and so-*
4 *cietal and ethical concerns. The recommendations of the Ad-*
5 *visory Committee shall be considered by Federal agencies*
6 *in implementing the Program.*

7 (b) *ASSESSMENT.—The Advisory Committee shall*
8 *assess—*

9 (1) *trends and developments in nanotechnology*
10 *science and engineering;*

11 (2) *progress made in implementing the Program;*

12 (3) *the need to revise the Program;*

13 (4) *the balance among the components of the*
14 *Program, including funding levels for the program*
15 *component areas;*

16 (5) *whether the program component areas, prior-*
17 *ities, and technical goals developed by the Interagency*
18 *Committee are helping to maintain United States*
19 *leadership in nanotechnology;*

20 (6) *the management, coordination, implementa-*
21 *tion, and activities of the Program; and*

22 (7) *whether societal and ethical concerns are ade-*
23 *quately addressed by the Program.*

24 (c) *REPORTS.—The Advisory Committee shall report*
25 *not less frequently than once every 2 fiscal years to the*



1 *President on its findings of the assessment carried out*
2 *under subsection (b), its recommendations for ways to im-*
3 *prove the Program, and the concerns assessed under sub-*
4 *section (b)(7). The first report shall be due within 1 year*
5 *after the date of enactment of this Act.*

6 (d) *FEDERAL ADVISORY COMMITTEE ACT APPLICA-*
7 *TION.—Section 14 of the Federal Advisory Committee Act*
8 *shall not apply to the Advisory Committee.*

9 **SEC. 6. NATIONAL NANOTECHNOLOGY COORDINATION OF-**
10 **FICE.**

11 *The President shall establish a National*
12 *Nanotechnology Coordination Office, with full-time staff,*
13 *which shall—*

14 (1) *provide technical and administrative support*
15 *to the Interagency Committee and the Advisory Com-*
16 *mittee;*

17 (2) *serve as a point of contact on Federal*
18 *nanotechnology activities for government organiza-*
19 *tions, academia, industry, professional societies, and*
20 *others to exchange technical and programmatic infor-*
21 *mation; and*

22 (3) *conduct public outreach, including dissemi-*
23 *nation of findings and recommendations of the Inter-*
24 *agency Committee and the Advisory Committee, as*
25 *appropriate.*



1 **SEC. 7. AUTHORIZATION OF APPROPRIATIONS.**

2 (a) *NATIONAL SCIENCE FOUNDATION.*—*There are au-*
3 *thorized to be appropriated to the National Science Foun-*
4 *ation for carrying out this Act—*

5 (1) *\$350,000,000 for fiscal year 2004;*

6 (2) *\$385,000,000 for fiscal year 2005; and*

7 (3) *\$424,000,000 for fiscal year 2006.*

8 (b) *DEPARTMENT OF ENERGY.*—*There are authorized*
9 *to be appropriated to the Secretary of Energy for carrying*
10 *out this Act—*

11 (1) *\$265,000,000 for fiscal year 2004;*

12 (2) *\$292,000,000 for fiscal year 2005; and*

13 (3) *\$322,000,000 for fiscal year 2006.*

14 (c) *NATIONAL AERONAUTICS AND SPACE ADMINISTRA-*
15 *TION.*—*There are authorized to be appropriated to the Na-*
16 *tional Aeronautics and Space Administration for carrying*
17 *out this Act—*

18 (1) *\$31,000,000 for fiscal year 2004;*

19 (2) *\$34,000,000 for fiscal year 2005; and*

20 (3) *\$37,000,000 for fiscal year 2006.*

21 (d) *NATIONAL INSTITUTE OF STANDARDS AND TECH-*
22 *NOLOGY.*—*There are authorized to be appropriated to the*
23 *National Institute of Standards and Technology for car-*
24 *rying out this Act—*

25 (1) *\$62,000,000 for fiscal year 2004;*

26 (2) *\$68,000,000 for fiscal year 2005; and*



1 (3) \$75,000,000 for fiscal year 2006.

2 (e) *ENVIRONMENTAL PROTECTION AGENCY.*—*There*
3 *are authorized to be appropriated to the Environmental*
4 *Protection Agency for carrying out this Act—*

5 (1) \$5,000,000 for fiscal year 2004;

6 (2) \$5,500,000 for fiscal year 2005; and

7 (3) \$6,000,000 for fiscal year 2006.

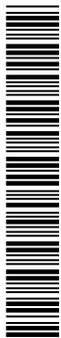
8 **SEC. 8. EXTERNAL REVIEW OF THE NATIONAL**
9 **NANOTECHNOLOGY RESEARCH AND DEVEL-**
10 **OPMENT PROGRAM.**

11 (a) *IN GENERAL.*—*Not later than 6 months after the*
12 *date of enactment of this Act, the Director shall enter into*
13 *an agreement with the National Academy of Sciences to*
14 *conduct periodic reviews of the Program. The reviews shall*
15 *be conducted once every 3 years during the 10-year period*
16 *following the enactment of this Act. The reviews shall*
17 *include—*

18 (1) *an evaluation of the technical achievements*
19 *of the Program;*

20 (2) *recommendations for changes in the Pro-*
21 *gram;*

22 (3) *an evaluation of the relative position of the*
23 *United States with respect to other nations in*
24 *nanotechnology research and development;*



1 (4) *an evaluation of the Program's success in*
2 *transferring technology to the private sector;*

3 (5) *an evaluation of whether the Program has*
4 *been successful in fostering interdisciplinary research*
5 *and development; and*

6 (6) *an evaluation of the extent to which the Pro-*
7 *gram has adequately considered societal and ethical*
8 *concerns.*

9 (b) *STUDY ON MOLECULAR MANUFACTURING.—Not*
10 *later than 3 years after the date of enactment of this Act*
11 *a review shall be conducted in accordance with subsection*
12 *(a) that includes a study to determine the technical feasi-*
13 *bility of the manufacture of materials and devices at the*
14 *molecular scale. The study shall—*

15 (1) *examine the current state of the technology*
16 *for enabling molecular manufacturing;*

17 (2) *determine the key scientific and technical*
18 *barriers to achieving molecular manufacturing;*

19 (3) *review current and planned research activi-*
20 *ties that are relevant to advancing the prospects for*
21 *molecular manufacturing; and*

22 (4) *develop, insofar as possible, a consensus on*
23 *whether molecular manufacturing is technically fea-*
24 *sible, and if found to be feasible—*



1 (A) *the estimated timeframe in which mo-*
2 *lecular manufacturing may be possible on a com-*
3 *mercial scale; and*

4 (B) *recommendations for a research agenda*
5 *necessary to achieve this result.*

6 (c) *STUDY ON SAFE NANOTECHNOLOGY.—Not later*
7 *than 6 years after the date of enactment of this Act a review*
8 *shall be conducted in accordance with subsection (a) that*
9 *includes a study to assess the need for standards, guidelines,*
10 *or strategies for ensuring the development of safe*
11 *nanotechnology, including those applicable to—*

12 (1) *self-replicating nanoscale machines or de-*
13 *vices;*

14 (2) *the release of such machines or devices in*
15 *natural environments;*

16 (3) *distribution of molecular manufacturing de-*
17 *velopment;*

18 (4) *encryption;*

19 (5) *the development of defensive technologies;*

20 (6) *the use of nanotechnology as human brain*
21 *extenders; and*

22 (7) *the use of nanotechnology in developing arti-*
23 *ficial intelligence.*



1 **SEC. 9. SCIENCE AND TECHNOLOGY GRADUATE SCHOLAR-**
2 **SHIP PROGRAMS.**

3 (a) *ESTABLISHMENT OF PROGRAMS.*—

4 (1) *IN GENERAL.*—*The agency heads shall each*
5 *establish within their respective departments and*
6 *agencies a Science and Technology Graduate Scholar-*
7 *ship Program to award scholarships to individuals*
8 *that is designed to recruit and prepare students for*
9 *careers in the Federal Government that require engi-*
10 *neering, scientific, and technical training.*

11 (2) *COMPETITIVE PROCESS.*—*Individuals shall*
12 *be selected to receive scholarships under this section*
13 *through a competitive process primarily on the basis*
14 *of academic merit, with consideration given to finan-*
15 *cial need and the goal of promoting the participation*
16 *of individuals identified in section 33 or 34 of the*
17 *Science and Engineering Equal Opportunities Act*
18 *(42 U.S.C. 1885a or 1885b).*

19 (3) *SERVICE AGREEMENTS.*—*To carry out the*
20 *Programs the agency heads shall enter into contrac-*
21 *tual agreements with individuals selected under para-*
22 *graph (2) under which the individuals agree to serve*
23 *as full-time employees of the Federal Government, for*
24 *the period described in subsection (f)(1), in positions*
25 *needed by the Federal Government and for which the*



1 *individuals are qualified, in exchange for receiving a*
2 *scholarship.*

3 *(b) SCHOLARSHIP ELIGIBILITY.—In order to be eligi-*
4 *ble to participate in a Program, an individual must—*

5 *(1) be enrolled or accepted for enrollment as a*
6 *full-time student at an institution of higher education*
7 *in an academic field or discipline described in a list*
8 *made available under subsection (d);*

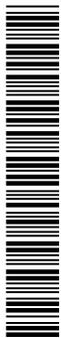
9 *(2) be a United States citizen or permanent resi-*
10 *dent; and*

11 *(3) at the time of the initial scholarship award,*
12 *not be a Federal employee as defined in section 2105*
13 *of title 5 of the United States Code.*

14 *(c) APPLICATION REQUIRED.—An individual seeking*
15 *a scholarship under this section shall submit an application*
16 *to an agency head at such time, in such manner, and con-*
17 *taining such information, agreements, or assurances as the*
18 *agency head may require.*

19 *(d) ELIGIBLE ACADEMIC PROGRAMS.—The agency*
20 *heads shall each make publicly available a list of academic*
21 *programs and fields of study for which scholarships under*
22 *their department's or agency's Program may be utilized,*
23 *and shall update the list as necessary.*

24 *(e) SCHOLARSHIP REQUIREMENT.—*



1 (1) *IN GENERAL.*—Agency heads may provide
2 scholarships under their department’s or agency’s
3 Program for an academic year if the individual ap-
4 plying for the scholarship has submitted to the agency
5 head, as part of the application required under sub-
6 section (c), a proposed academic program leading to
7 a degree in a program or field of study on a list made
8 available under subsection (d).

9 (2) *DURATION OF ELIGIBILITY.*—An individual
10 may not receive a scholarship under this section for
11 more than 4 academic years, unless an agency head
12 grants a waiver.

13 (3) *SCHOLARSHIP AMOUNT.*—The dollar amount
14 of a scholarship under this section for an academic
15 year shall be determined under regulations issued by
16 the agency heads, but shall in no case exceed the cost
17 of attendance.

18 (4) *AUTHORIZED USES.*—A scholarship provided
19 under this section may be expended for tuition, fees,
20 and other authorized expenses as established by the
21 agency heads by regulation.

22 (5) *CONTRACTS REGARDING DIRECT PAYMENTS*
23 *TO INSTITUTIONS.*—Each agency head may enter into
24 a contractual agreement with an institution of higher
25 education under which the amounts provided for a



1 *scholarship under this section for tuition, fees, and*
2 *other authorized expenses are paid directly to the in-*
3 *stitution with respect to which the scholarship is pro-*
4 *vided.*

5 *(f) PERIOD OF OBLIGATED SERVICE.—*

6 *(1) DURATION OF SERVICE.—The period of serv-*
7 *ice for which an individual shall be obligated to serve*
8 *as an employee of the Federal Government is, except*
9 *as provided in subsection (h)(2), 24 months for each*
10 *academic year for which a scholarship under this sec-*
11 *tion is provided.*

12 *(2) SCHEDULE FOR SERVICE.—(A) Except as*
13 *provided in subparagraph (B), obligated service*
14 *under paragraph (1) shall begin not later than 60*
15 *days after the individual obtains the educational de-*
16 *gree for which the scholarship was provided.*

17 *(B) An agency head may defer the obligation of*
18 *an individual to provide a period of service under*
19 *paragraph (1) if the agency head determines that*
20 *such a deferral is appropriate. The agency head shall*
21 *prescribe the terms and conditions under which a*
22 *service obligation may be deferred through regulation.*

23 *(g) PENALTIES FOR BREACH OF SCHOLARSHIP*
24 *AGREEMENT.—*



1 (1) *FAILURE TO COMPLETE ACADEMIC TRAIN-*
2 *ING.*—Scholarship recipients who fail to maintain a
3 high level of academic standing, as defined by the ap-
4 propriate agency head by regulation, who are dis-
5 missed from their educational institutions for dis-
6 ciplinary reasons, or who voluntarily terminate aca-
7 demic training before graduation from the edu-
8 cational program for which the scholarship was
9 awarded, shall be in breach of their contractual agree-
10 ment and, in lieu of any service obligation arising
11 under such agreement, shall be liable to the United
12 States for repayment within 1 year after the date of
13 default of all scholarship funds paid to them and to
14 the institution of higher education on their behalf
15 under the agreement, except as provided in subsection
16 (h)(2). The repayment period may be extended by the
17 agency head when determined to be necessary, as es-
18 tablished by regulation.

19 (2) *FAILURE TO BEGIN OR COMPLETE THE SERV-*
20 *ICE OBLIGATION OR MEET THE TERMS AND CONDI-*
21 *TIONS OF DEFERMENT.*—Scholarship recipients who,
22 for any reason, fail to begin or complete their service
23 obligation after completion of academic training, or
24 fail to comply with the terms and conditions of
25 deferment established by the appropriate agency head



1 *pursuant to subsection (f)(2)(B), shall be in breach of*
2 *their contractual agreement. When recipients breach*
3 *their agreements for the reasons stated in the pre-*
4 *ceding sentence, the recipient shall be liable to the*
5 *United States for an amount equal to—*

6 *(A) the total amount of scholarships re-*
7 *ceived by such individual under this section;*
8 *plus*

9 *(B) the interest on the amounts of such*
10 *awards which would be payable if at the time*
11 *the awards were received they were loans bearing*
12 *interest at the maximum legal prevailing rate,*
13 *as determined by the Treasurer of the United*
14 *States,*

15 *multiplied by 3.*

16 *(h) WAIVER OR SUSPENSION OF OBLIGATION.—*

17 *(1) DEATH OF INDIVIDUAL.—Any obligation of*
18 *an individual incurred under a Program (or a con-*
19 *tractual agreement thereunder) for service or payment*
20 *shall be canceled upon the death of the individual.*

21 *(2) IMPOSSIBILITY OR EXTREME HARDSHIP.—*

22 *The agency heads shall by regulation provide for the*
23 *partial or total waiver or suspension of any obliga-*
24 *tion of service or payment incurred by an individual*
25 *under their department's or agency's Program (or a*



1 *contractual agreement thereunder) whenever compli-*
2 *ance by the individual is impossible or would involve*
3 *extreme hardship to the individual, or if enforcement*
4 *of such obligation with respect to the individual*
5 *would be contrary to the best interests of the Govern-*
6 *ment.*

7 *(i) DEFINITIONS.—In this section the following defini-*
8 *tions apply:*

9 (1) *AGENCY HEAD.—The term “agency head”*
10 *means the Director of the National Science Founda-*
11 *tion, the Secretary of Energy, the Administrator of*
12 *the National Aeronautics and Space Administration,*
13 *the Director of the National Institute of Standards*
14 *and Technology, or the Administrator of the Environ-*
15 *mental Protection Agency.*

16 (2) *COST OF ATTENDANCE.—The term “cost of*
17 *attendance” has the meaning given that term in sec-*
18 *tion 472 of the Higher Education Act of 1965 (20*
19 *U.S.C. 1087ll).*

20 (3) *INSTITUTION OF HIGHER EDUCATION.—The*
21 *term “institution of higher education” has the mean-*
22 *ing given that term in section 101(a) of the Higher*
23 *Education Act of 1965 (20 U.S.C. 1001(a)).*



1 (4) *PROGRAM.*—*The term “Program” means a*
2 *Science and Technology Graduate Scholarship Pro-*
3 *gram established under this section.*

